

What are Potential Energy Stores?

You will consider what potential energy stores are, watch a video about how a windup radio works and why it is useful in remote parts of the world, and then create a mind map of activities that require potential energy stores.

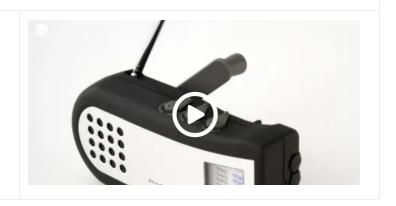
You will use:

Digital

• Windup Radio video https://www.twigsciencetools.com/video/windup-radio-VVNFTIRXRTIwMDUy

You will understand that potential energy can be stored and then used later in a number of different ways.

- 1. Think about the following questions. Make notes below.
- What is an energy store?
- How can potential energy be stored?
- Why is it useful to store potential energy?
- What are some examples of potential energy stores?
- 2. Play the Windup Radio video. Answer the following questions in complete sentences.





• \	What is it in batteries that produces the electrical energy needed to power a machine?
• \	What happens to batteries when the chemicals are used up?
• \	Why is this a problem for people in remote parts of the world?
• \	Who invented the world's first windup radio?
• \	What does a windup radio use instead of a battery?
•	How does this mechanism transfer energy?



• What energy transfers happen to make the windup radio work?